

Applicants: MALTSEV, Alexander, et al.  
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### REMARKS

Applicants respectfully request reconsideration of the above-identified application in view of the following remarks.

### Status of Claims

Claims 2, 22, 33, and 43 have been canceled herein without prejudice or disclaimer. Claims 10, 30, and 41 have been previously canceled. Claims 1, 3-5, 12-16, 20-21, 23-25, 32, 34-36, and 44-45 have been amended. Accordingly, Claims 1, 3-9, 11-21, 23-29, 31-32, 34-40, 42, and 44-45 are now pending in this application. It is respectfully submitted that no new matter has been added.

### Claim Rejections

#### 35 U.S.C. § 102 Rejections

On pages 2-6 of the Office Action, the Examiner rejected Claims 1-9, 11-29, 31-40, and 42-45 under 35 U.S.C. § 102(e) as being anticipated by Ryan, US Patent No. 7,065,036 ("Ryan"). Applicants respectfully request the withdrawal of the rejection of Claims 1-9, 11-29, 31-40, and 42-45 under 35 U.S.C. § 102(e) in view of the foregoing amendments and the remarks that follow.

As the Examiner has requested, Applicants have removed the word "adapted" in Claims 3-5, 12, 20, 23-25, 34-36, and 44-45.

Independent Claims 1, 13, 21, and 32 include, inter alia, "a data packet including: a compatibility preamble field subdivided into a short combined preamble, a long combined preamble, and a combined signal field, two or more training fields separate from said compatibility preamble field, and a physical layer convergence protocol header that includes bit and power loading information." It is respectfully submitted that Ryan does not teach these features.

In contrast, Ryan teaches:

The following describes a typical transmit sequence process for generating data packets such as that of FIG. 4 that conform to the IEEE 802.11a standard. The generated packets for transmission: (a) Produce the physical layer convergence

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protocol (PLCP) preamble field, composed of 10 repetitions of a "short training sequence" (used for AGC convergence, diversity selection, timing acquisition, and coarse frequency acquisition in the receiver) and two repetitions of a "long training sequence" (used for channel estimation and fine frequency acquisition in the receiver), preceded by a guard interval (GI). (Col. 6, Lines 41-53).

Thus, Ryan teaches a data packet including a PLCP preamble field composed of ten repetitions of a "short training sequence" and two repetitions of a "long training sequence". Therefore, Ryan does not teach the claimed "compatibility preamble field subdivided into a short combined preamble, a long combined preamble, and a combined signal field". Furthermore, Ryan does not teach the claimed "two or more training fields separate from said compatibility preamble field" since the "short training sequence" and "long training sequence" of Ryan are part of the preamble field.

It is therefore respectfully submitted that independent Claims 1, 13, 21, and 32 are not anticipated by Ryan. Claims 2, 22, 33, and 43 have been canceled herein thereby rendering their rejection moot. Each of Claims 3-9, 11-12, 14-20, 23-29, 31, 34-40, 42, and 44-45 depends from one of independent Claims 1, 13, 21, and 32 and is therefore likewise patentable. The rejection of Claims 1-9, 11-29, 31-40, and 42-45 under 35 U.S.C. § 102(e) as being anticipated by Ryan is therefore requested to be withdrawn.

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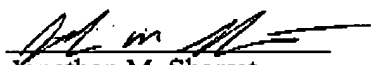
### CONCLUSION

In view of the foregoing amendments and remarks, Applicants submit that the pending claims distinguish over the prior art of record and are in condition for allowance. Favorable consideration and passage to issue are therefore respectfully requested.

The Examiner is invited to telephone the undersigned to discuss any still outstanding matters with respect to the present application.

Please charge or credit any fees associated with this paper to deposit account No. 50-3355.

Respectfully submitted,

  
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